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RSC Applied Interfaces

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Cover
See Liyong Ding, Juncheng Hu *et al.*, pp. 222–232.
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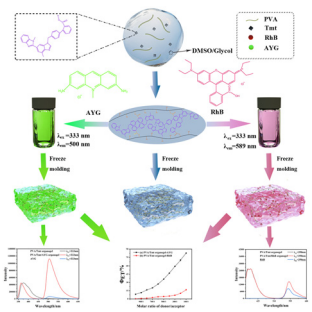
A multifunctional organogel for constructing artificial light harvesting systems with excellent energy transfer efficiency

Xinxian Ma,* Jiahong Tang, Tianqi Ren, Jiali Zhang, Yuehua Liang, Jiuzhi Wei and Enke Feng



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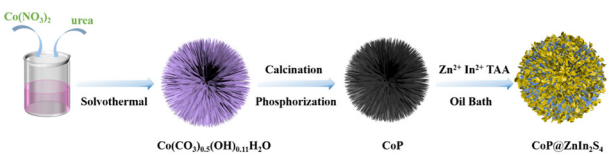
Construction of a hierarchical CoP@$ZnIn_2S_4$ heterojunction for photocatalytic hydrogen evolution

Yuqin Liu, Liyong Ding,* Qian Xu, Yu Ma and Juncheng Hu*



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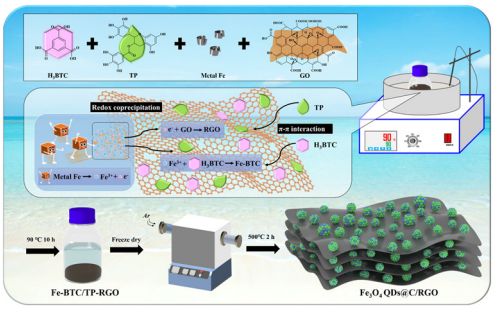
Synthesis of a MOF-derived magnetite quantum dots on surface modulated reduced graphene oxide composite for high-rate lithium-ion storage

Ruixin Jia, Longbiao Yu, Zhenqi Han, Shuo Liu, Panpan Shang, Siqi Deng, Xuehua Liu and Binghui Xu*



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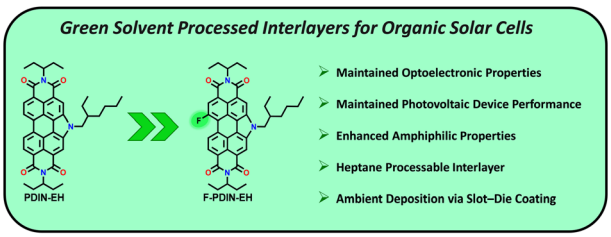
A fluorinated perylene diimide for polar and non-polar green solvent processed organic photovoltaic cathode interlayers

Colton Atkinson, Muhammad Rizwan Niazi and Gregory C. Welch*



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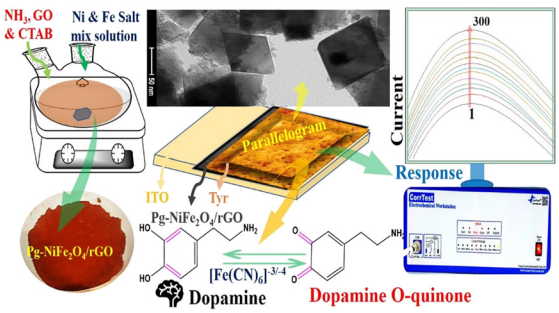
Nanoengineered parallelogram-$NiFe_2O_4$/rGO nanocomposite-based biosensing interface for highly efficient electrochemical detection of neurodegenerative disorders *via* dopamine monitoring

Rahul Verma, Kshitij RB Singh, Ranjana Verma and Jay Singh*



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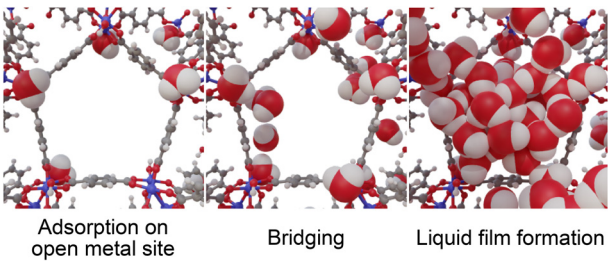
Simulation studies of water adsorption on MIL-101(Cr) revealing the role of inhomogeneous potential field composed of open metal sites and organic linkers

Shotaro Hiraide,* Yu Katayama, Akira Endo, Ryotaro Matsuda, Minoru T. Miyahara and Satoshi Watanabe*



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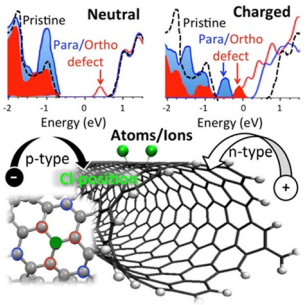

Optically active defects in carbon nanotubes *via* chlorination: computational insights

Braden M. Weight, Brendan J. Gifford, Grace Tiffany, Elva Henderson, Deyan Mihaylov, Dmitri Kilin and Svetlana Kilina*

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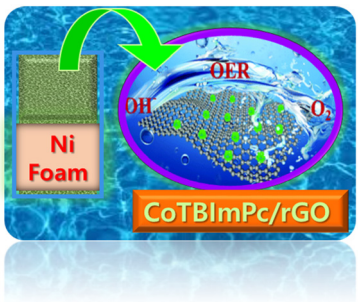

Cobalt–benzimidazole swapped metal–organic macrocycle with reduced graphene oxide as a hybrid electrocatalyst for highly efficient oxygen evolution reaction

C. P. Keshavananda Prabhu,* Kenkera Rayappa Naveen and Jaehyun Hur*

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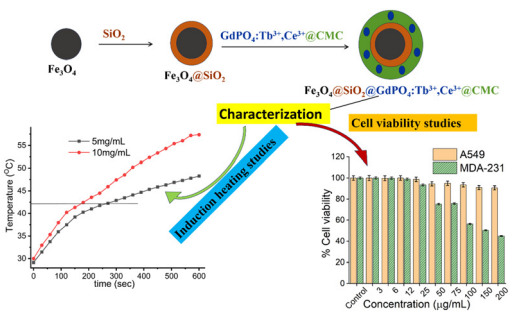

Carboxymethylcellulose modified $Fe_3O_4@SiO_2@GdPO_4:Tb^{3+},Ce^{3+}$ nanocomposites for combined optical and magnetic fluid hyperthermia in cancer therapy

Dhanapriya Devi Yengkhom, Goutam Singh Ningombam, Rameshwari Heisnam, Nanaocha Sharma, Rajmuhon Singh Nongmaithem and Francis A. S. Chipem*

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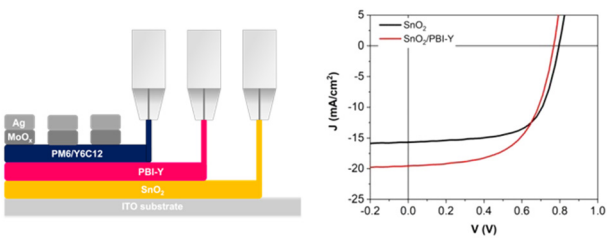

All slot-die coated organic solar cells using an amine processed cathode interlayer based upon an amino acid functionalised perylene bisimide

Rebecca E. Ginesi, Muhammad R. Niazi, Gregory C. Welch* and Emily R. Draper*

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